AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1.   (CURRENTLY AMENDED)   A method for performing a high-throughput analysis, in which samples are analyzed in a continuous manner and in which biochips placed onto a substrate and having a plurality of measurement spots are used, comprising:

applying a sample liquid to the plurality of measuring spots of the biochipbiochips, thereby forming a plurality of spot arrays; and

analyzing the sample liquid, wherein flushing or reagent liquids are applied from above the substrate onto the spots of the spot arrays located on the substrate, and electrical measurements are carried out from below the substrate with the aid of contact elements,

wherein the applying and the analyzing are effected simultaneously at different spots of the spot arrays or biochips, and

wherein the substrate is moved to permit a continuous measurement at a speed determined by a movement cycle of the substrate, and

wherein at least during the electrical measurements at least one of the spot arrays is enclosed by a hollow body to create a spatial separation from other spot arrays.

2. (CURRENTLY AMENDED) The method as claimed in claim 1, ~~wherein~~ further comprising performing at least one of temperature regulation and air conditioning of the sample liquid ~~is interposed between~~after ~~the~~ applying the sample liquid and prior to analyzing the sample liquid.

3. (PREVIOUSLY PRESENTED) The method as claimed in claim 2, wherein the air conditioning, if performed, serves as residence time of the sample liquid on the biochip.

4. (CURRENTLY AMENDED) The method as claimed in claim 1, wherein a temperature regulation of the sample liquid is effected ~~following~~after ~~the~~ applying ~~of~~ the sample liquid.

5.-6. (CANCELLED)

7. (CURRENTLY AMENDED) The method as claimed in claim 2, wherein the air conditioning of the sample liquid includes air conditioning of ~~the~~ a gas phase ~~present~~ above the spot array_s_ by the hollow body.

8. (CANCELLED)

9. (CURRENTLY AMENDED) The method as claimed in claim 1, wherein the substrate is ~~one~~ made of a flat material.

10. (CURRENTLY AMENDED) The method as claimed in claim 9, wherein a ~~biochip arrangement with~~the substrate is a band-shaped substrate made of a flexible material, ~~is used~~ and the substrate is in a biochip arrangement.

11. (WITHDRAWN) The method as claimed in claim 10, wherein the band-shaped substrate is unwound from a roll and transported through an analysis device.

12. (CURRENTLY AMENDED) The method as claimed in claim 1, wherein the ~~substrate is one populated with~~biochips are electrically readable biochips.

13. (CURRENTLY AMENDED) The method as claimed in claim 1, wherein the substrate ~~is one on which~~has analysis-specific data ~~are present~~.

14. (CURRENTLY AMENDED) The method as claimed in claim 1, further comprising ~~wherein, for~~controlling a temperature of ~~control of~~ the spot arrays or a reaction that takes place there~~on by~~ ~~, heat is supplied or dissipated~~supplying or dissipating heat from ~~the~~a rear side region of the substrate opposite to the spot arrays.

15. (CURRENTLY AMENDED) The method as claimed in claim 14, wherein~~, for~~ ~~the purpose of~~ supplying ~~heat~~ or dissipating the heat includes bringing~~,~~ the rear side region of the substrate ~~is brought~~ into area contact with a coolable or heatable body.

16.-31.   (CANCELLED)

32.   (CURRENTLY AMENDED)   The method as claimed in claim 1, wherein a̲ peripheral wall of̲ the hollow body is placed onto the biochip so that the hollow body encloses t̲h̲e̲ at least one spot array with a peripheral wall.

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END OF CLAIM LISTING

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